



# NATIONAL WATER QUALITY MONITORING COUNCIL



## Water Quality Portal

[www.waterqualitydata.us](http://www.waterqualitydata.us)



***Search over **210 million water-quality data records** from States, Tribal Partners, USEPA, and USGS***

Presented by: Leslie McGeorge  
NJ Water Monitoring Council Meeting  
May 22, 2013

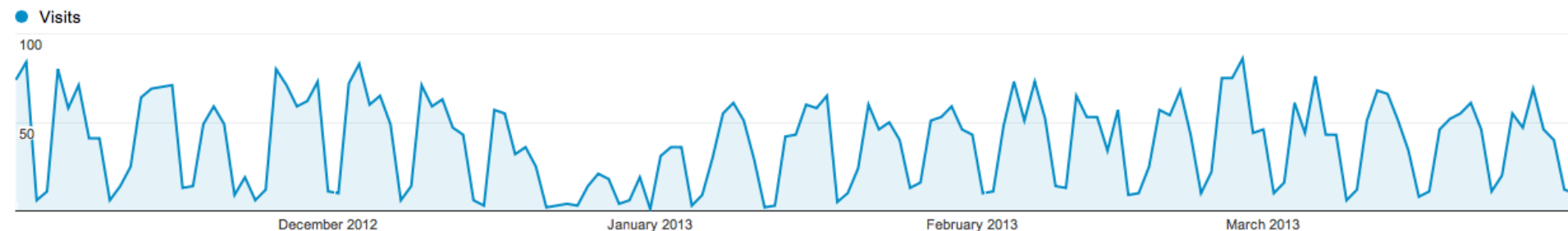


# FY13 Plans

- Operations and Maintenance
- Outreach and Communication
- Add Additional Data Providers
- Map Display
- QA/QC checks
- Integration with NEMI
- Index monitoring locations with the National Hydrography Dataset

# Portal Stats

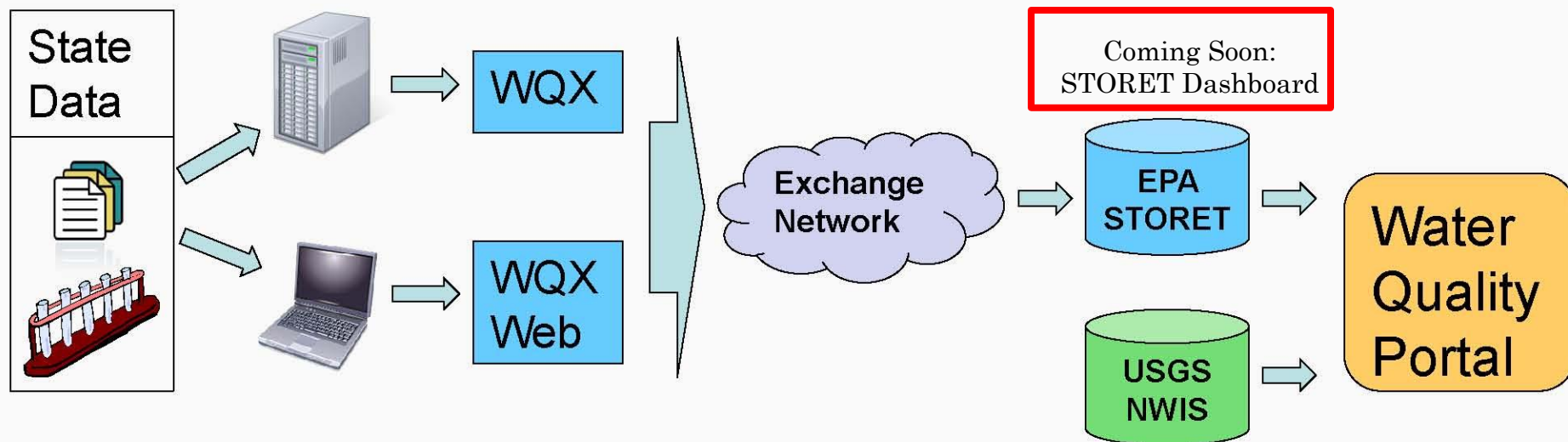
- Usage: 20,000 visits (from 7800 unique visitors) since April launch
- ~50-100 visitors / day



# RESULTS SUMMARY – 04/02/2013

- 39 states and territories are submitting data using WQX
- 8 states submit >100,000 records annually
  - FL, WI, MN, NC, AL, TX, MD, AR
- 11 states submit 40,000-100,000 records annually
  - KS, IA, ND, NJ, IN, ME, DE, VT, MT, GA, PA
- 20 states submit <40,000 records annually
  - SD, AZ, SC, KY, NH, NY, MS, NM, MP, MI, HI, UT, VI, GU, MO, AS, NE, ID, OK, WY
- Make sure we are getting all of the water monitoring data
  - Some states have a smaller data sets due to a smaller monitoring program or fewer waters to monitor
  - Identify the challenges states are experiencing compiling data and sharing via WQX

# Overview of Water Monitoring Data Sharing Tools





## What is the STORET Dashboard

- Provides states with a quick view to the water data holdings
- Enables quick searches on the amount of data by organization
- Provides counts on the most measured physical and chemical parameters



# STORET Dashboard Home Page



## STORET – Dashboard

[Contact Us](#)

You are here: [EPA Home](#) » [Water](#) » [Wetlands, Oceans, & Watersheds](#) » [Monitoring and Assessing Water Quality](#) » [STORET](#) » [Data Warehouse](#)

» [Dashboard](#)

Welcome to the STORET Dashboard. This site enables quick views into the STORET water quality data holdings as submitted by federal, state, and tribal agencies, watershed groups, universities, and industry.

Select a view of interest using the buttons below.

### Dashboard Reports

[By Region](#)

[By State](#)

[By Tribes](#)

[State Profile](#)

[All Orgs](#)

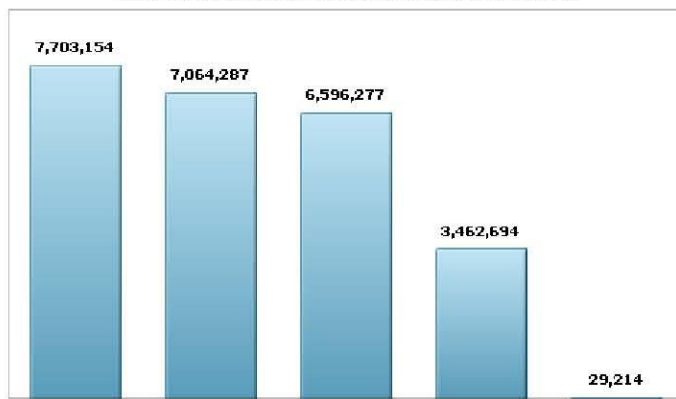
[Top 10](#)

### Top 10 Warehouse Characteristics

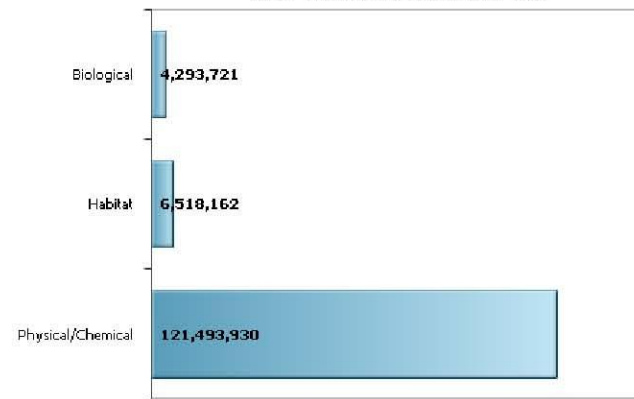
| Characteristic            | Result Count |
|---------------------------|--------------|
| Temperature, water        | 23,366,954   |
| pH                        | 6,361,284    |
| Dissolved oxygen (DO)     | 6,101,385    |
| Specific conductance      | 5,055,284    |
| Temperature, air          | 3,019,285    |
| Salinity                  | 2,553,255    |
| Turbidity                 | 2,453,699    |
| Fecal Coliform            | 2,401,605    |
| Total suspended solids    | 1,873,061    |
| Phosphate-phosphorus as P | 1,767,024    |

1 – 10

Total Warehouse Records Added in the Past 5 Years



Total Warehouse Records by Type





## STORET - Dashboard: State Profile

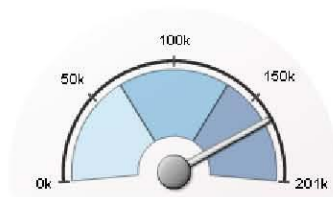
Select Year: 2012  
Select State: NEW JERSEY

Submit

Number of Organizations Submitting Data for NEW JERSEY in 2012: 6  
Total Number of Organizations Submitting Data for NEW JERSEY: 36  
Number of Distinct Characteristics Submitted for NEW JERSEY in 2012: 138  
Total Number of Distinct Characteristics Submitted for NEW JERSEY: 2,840  
Number of Stations in NEW JERSEY with Data for 2012: 1,252  
Total Number of Stations in NEW JERSEY with Data: 10,169  
Total Number of Stations in NEW JERSEY: 20,409

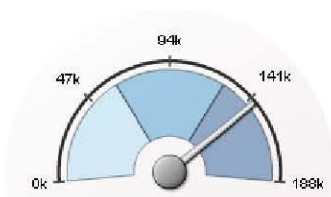
To query and download the submitted data, please visit the  
[STORET/WQX Warehouse Reports](#)

NEW JERSEY



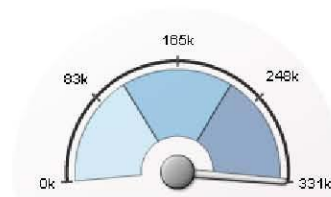
In 2012: 164,482 records  
5 yr avg: 200,650/yr

NEW JERSEY



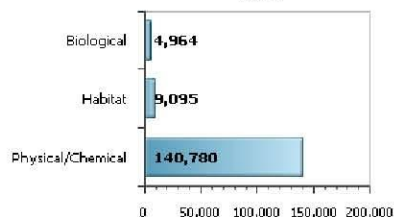
In 2011: 143,748 records  
5 yr avg: 187,545/yr

NEW JERSEY

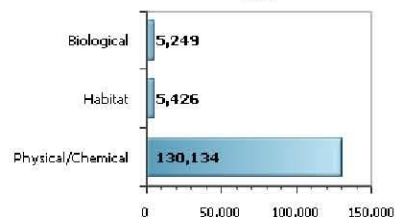


In 2010: 330,588 records  
5 yr avg: 140,456/yr

2012



2011



2010

